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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. (Previously Presented) A method of controlling communications in a wireless 1 2 network comprising: 3 receiving, in a wireless network controller, an indicator that comprises one of plural training sequences in a message sent over an air link by a mobile station to establish a data 4 5 transfer session in the wireless network; and selecting one of plural types of protocol stacks in the wireless network controller 6 to use for communications over the air link between the wireless network controller and mobile 7 8 station based on which of the plural training sequences is in the message. 1 2. (Previously Presented) A method of controlling communications in a wireless 2 network comprising: 3 receiving, in a wireless network controller, a Temporary Logical Link Identity 4 (TLLI) structure in a message sent over an air link by a mobile station to establish a data transfer 5 session in the wireless network; and 6 selecting one of plural types of protocol stacks in the wireless network controller 7 to use for communications over the air link between the wireless network controller and mobile 8 station based on a value of the TLLI structure, 9 wherein selecting one of plural types of protocol stacks comprises selecting from 10 protocol stacks comprising a GERAN protocol stack.
 - 3. (Original) The method of claim 2, wherein selecting one of plural types of protocol stacks comprises selecting from plural stacks comprising the GERAN protocol stack and an EGPRS protocol stack.
- 4. (Original) The method of claim 1, wherein selecting one of plural types of protocol stacks comprises selecting from protocol stacks comprising an EGPRS protocol stack.

1	5.	(Currently Amended) A method of controlling communications in a wireless	
2	network comprising:		
3		receiving, in a wireless network controller, an indicator a Temporary Logical Link	
4	Identity struc	ture in a message sent by a mobile station to establish a data transfer session in the	
5	wireless network, wherein the Temporary Logical Link Identity structure has one of plural		
6	values; and		
7		selecting one of plural types of protocol stacks to use for communications over an	
8	air link betwe	een the wireless network controller and mobile station based on which of the plural	
9	values is con	tained in the Temporary Logical Link Identity structure the indicator,	
10		wherein-receiving the indicator comprises receiving a Temporary Logical Link	
11	Identity struc	ture having one of plural values.	
1	6.	(Original) The method of claim 5, wherein selecting one of plural types of	
2	protocol stac	ks comprises selecting a first protocol stack if the Temporary Logical Link Identity	
3	structure has	a first value.	
1	7.	(Original) The method of claim 6, wherein selecting one of plural types of	
2	protocol stac	ks further comprises selecting a second protocol stack if the Temporary Logical	
3	Link Identity	structure has a second value.	
1	8.	(Currently Amended) The method of claim 1, wherein selecting one of plural	
2	types of prote	ocol stacks comprises selecting a first protocol stack if the indicator Temporary	
3	Logical Link	Identity structure has a first value and selecting a second protocol stack if the	
4	indicator Ter	nporary Logical Link Identity structure has a second value.	

1	9.	(Previously Presented) A method of controlling communications in a wireless	
2	network comp	orising:	
3		receiving, in a wireless network controller, an indicator in a message sent by a	
4	mobile station	to establish a data transfer session in the wireless network; and	
5		selecting one of plural types of protocol stacks to use for communications over an	
6	air link betwe	en the wireless network controller and mobile station based on the indicator,	
7		wherein receiving the indicator comprises receiving a parameter used for	
8	contention res	solution by the wireless network controller for distinguishing between multiple	
9	mobile stations that are contending for a common resource.		
1	10.	(Original) The method of claim 9, further comprising performing contention	
2	resolution using the parameter.		
1	11.	(Original) The method of claim 9, wherein receiving the parameter comprises	
2	receiving a Te	emporary Logical Link Identity.	
1	12.	(Original) The method of claim 9, wherein receiving the parameter comprises	
2	receiving a G	ERAN Contention Resolution Identity.	
1	13.	(Cancelled)	
1	14.	(Previously Presented) A system comprising:	
2		an interface to an air link to communicate with mobile stations; and	
3		a controller adapted to perform contention resolution with a first type of mobile	
4	station using a	a first type of indicator, the controller adapted to communicate signaling according	
5	to a first wirel	ess protocol with the first type of mobile station, and	
6		the controller adapted to perform contention resolution with a second type of	
7	mobile station	using a second type of indicator, the controller adapted to communicate signaling	
8	according to a	second wireless protocol with the second type of mobile station.	

1 15. (Original) The system of claim 14, wherein the first wireless protocol comprises 2 a GERAN wireless protocol. 16. 1 (Original) The system of claim 15, wherein the second wireless protocol 2 comprises an EGPRS wireless protocol. 17. (Original) The system of claim 14, wherein the first wireless protocol comprises 1 2 an EGPRS wireless protocol. 1 18. (Original) The system of claim 14, wherein the first type of indicator comprises a 2 Temporary Logical Link Identity (TLLI) structure having a first value, and the second type of 3 indicator comprises a TLLI structure having a second value. 1 19. (Previously Presented) The system of claim 18, wherein the first value indicates 2 one of a local TLLI, a foreign TLLI, and a random TLLI, and the second value indicates one of a 3 local GCRI and a random GCRI. 1 20. (Currently Amended) An article comprising at least one computer-readable 2 storage medium containing instructions that when executed cause at least one processor in a 3 wireless access system to: 4 receive a Temporary Logical Link Identity (TLLI) structure in a message sent by 5 a mobile station over an air link to establish a data transfer session; and 6 select, based on a value of the TLLI structure, one of plural protocol stacks in the 7 wireless access system to use for communications over the air link between the wireless access 8 system and the mobile station.

1	21.	(Currently Amended) The article of claim 20, wherein the instructions when	
2	executed cause the at least one processor in the wireless access system to select one of plural		
3	protocol stacks by selecting a first protocol stack in response to the indicator <u>TLLI structure</u>		
4	having a first value and selecting a second protocol stack in response to the indicator <u>TLLI</u>		
5	structure havi	ng a second value.	
1	22.	(Currently Amended) An article comprising at least one computer-readable	
2	storage medium containing instructions that when executed cause at least one processor in a		
3	wireless access system to:		
4		receive a Temporary Logical Link Identity (TLLI) structure in a message sent by	
5	a mobile station	on over an air link to establish a data transfer session; and	
6		select one of a GERAN protocol stack and an EGPRS protocol stack, in response	
7	to one of plural values of the TLLI structure, in the wireless access system to use for		
8	communications over an air link between the wireless access system and the mobile stat		
1	23.	(Cancelled)	
1	24.	(Currently Amended) An article comprising at least one <u>computer-readable</u>	
2	storage medium containing instructions that when executed cause at least one processor in a		
3	wireless access system to:		
4		perform contention resolution with a first type of mobile station using a first type	
5	of indicator;		
6		communicate signaling according to a first wireless protocol with the first type of	
7	mobile station;		
8		perform contention resolution with a second type of mobile station using a second	
9	type of indicator; and		
	<i>,</i> ,		
10	• •	communicate signaling according to a second wireless protocol with the second	

1 25. (Currently Amended) The article of claim 24, wherein the instructions when 2 executed cause the at least one processor in the wireless access system to select one of plural 3 types of protocol stacks based on which of the first and second types of indicators is received. 26. 1 (Previously Presented) The article of claim 24, wherein performing contention 2 resolution with the first type of mobile station comprises performing contention resolution using 3 the first type of indicator to distinguish between the first type mobile station and at least another 4 mobile station, and 5 wherein performing contention resolution with the second type of mobile station 6 comprises performing contention resolution using the second type of indicator to distinguish 7 between the second type of mobile station and another mobile station. 27. 1 (Previously Presented) The method of claim 1, wherein selecting one of plural 2 types of protocol stacks in the wireless network controller comprises selecting one of plural types 3 of protocol stacks in one of a base station controller and radio network controller. 1 28. (Previously Presented) The system of claim 14, wherein the controller performs 2 contention resolution with the first type of mobile station by distinguishing the first type of 3 mobile station from another mobile station using the first type of indicator, and 4 the controller performs contention resolution with the second type of mobile 5 station by distinguishing the second type of mobile station from another mobile station using the 6 second type of indicator.